## Review papers in Journal of Materials Science Volumes 39, 40 and 41

## Volume 39 (2004)

- **A. BALDAN** Adhesively-bonded joints and repairs in metallic alloys, polymers and composite materials, p. 1
- E. HORNBOGEN Thermo-mechanical fatigue of shape memory alloys, p. 385
- L. E. MURR, E. V. ESQUIVEL Observations of common microstructural issues associated with dynamic deformation phenomena: Twins, microbands, grain size effects, shear bands, and dynamic recrystallization, p. 1153
- G. P. TIWARI, J. M. JUNEJA and Y. IIJIMA Role of entropy of fusion in phase transformation and self-diffusion, p. 1535
- **S. J. AHMADI, Y. D. HUANG and W. LI** Synthetic routes, properties and future applications of polymer-layered silicate nanocomposites, p. 1919
- C. FURETTA, G. KITIS Models in thermoluminescence, p. 2277
- D. D. L. CHUNG Electrical applications of carbon materials, p. 2645
- D. D. L. CHUNG Use of polymers for cement-based structural materials, p. 2973
- WEI YANG, ZHONG-MING LI, WEI SHI, BANG-HU XIE and MING-BO YANG On auxetic materials, p. 3269
- **S. K. SAMANTARAY, K. PARIDA** Effect of anions on the textural and catalytic activity of titania-silica mixed oxide, p. 3549
- **J. NJUGUNA, K. PIELICHOWSKI** Recent developments in polyurethane-based conducting composites, p. 4081
- **SAN PING JIANG, SIEW HWA CHAN** A review of anode materials development in solid oxide fuel cells, p. 4405
- **A. BALDAN** Adhesively-bonded joints in metallic alloys, polymers and composite materials: Mechanical and environmental durability performance, p. 4729
- SI-WEI ZHANG, REN-YANG HE Advances in the study on wear of metals by polymers, p. 5625
- HAI ZHI YE, XING YANG LIU Review of recent studies in magnesium matrix composites, p. 6153
- M. H. BOCANEGRA-BERNAL Hot Isostatic Pressing (HIP) technology and its applications to metals and ceramics, p. 6399

## Volume 40 (2005)

- J. SINGH, D. E. WOLFE Nano and macro-structured component fabrication by electron beam-physical vapor deposition (EB-PVD), p. 1
- Y. KOBAYASHI, T. ISHIZAKA and Y. KUROKAWA Preparation of alumina films by the sol-gel method, p. 263
- G. ARMSTRONG, M. BUGGY Hydrogen-bonded supramolecular polymers: A literature review, p. 547
- D. B. SIRDESHMUKH, K. G. SUBHADRA Consistency checks on elastic properties of crystals, p. 1553
- **B. DONKOVA, D. MEHANDJIEV** Thermal—magnetic investigation of the decomposition of copper oxalate—a precursor for catalysts, p. 3881
- TING-LI LU, GUO-ZHENG LIANG, KAI-CHANG KOU and ZHI-AN GUO Synthesis and characterization of cage octa(cyclohexylsilsesquioxane), p. 4721

(Continued on next page)

M. HAN, D. F. LIANG and L. J. DENG Sensors development using its unusual properties of Fe/Co-based amorphous soft magnetic wire, p. 5573

**JIE HU, ZHEN TAO, SONGJUN LI and BAILING LIU** The effect of cyclodextrins on polymer preparation, p. 6057

## Volume 41 (2006)

CHO GYU BONG, LEE BONG KI, SIN WON CHUL, CHO KWON KOO, AHN HYO JUN, NAM TAE HYUN and KIM KI WON Effects of Cu current collector as a substrate on electrochemical properties of Li/Si thin film cells, p. 313